THE ASTROPHYSICAL JOURNAL

CONTENTS OF VOLUME 136

2001 SEPTEMBER, NUMBER 1

	Page
RECONSTRUCTION ANALYSIS OF THE *IRAS* POINT SOURCE CATALOG REDSHIFT SURVEY *Vijay K. Narayanan, David H. Weinberg, E. Branchini, C. S. Frenk, S. Maddox, S. Oliver, M. Rowan-Robinson, & W. Saunders*	1
A METHOD FOR DETERMINING THE STAR FORMATION HISTORY OF A MIXED STELLAR POPULATION *Jason Harris & Dennis Zaritsky*	25
PRECISION VELOCITY FIELDS IN SPIRAL GALAXIES. II. ROTATION CURVES *Charles Beauvais & G. Bothun*	41
INTEGRAL FIELD NEAR-INFRARED SPECTROSCOPY OF A SAMPLE OF SEYFERT AND LINER GALAXIES. I. THE DATA Ⓔ *Rafael M. Sosa-Brito, Lowell E. Tacconi-Garman, Matthew D. Lehnert, & Jack F. Gallimore*	61
LARGE-SCALE DIFFUSE X-RAY EMISSION FROM THE LARGE MAGELLANIC CLOUD Ⓔ *S. D. Points, Y.-H. Chu, S. L. Snowden, & R. C. Smith*	99
X-RAYS FROM SUPERBUBBLES IN THE LARGE MAGELLANIC CLOUD. VI. A SAMPLE OF THIRTEEN SUPERBUBBLES *Bryan C. Dunne, Sean D. Points, & You-Hua Chu*	119
THE BELL LABORATORIES ^{13}CO SURVEY: LONGITUDE-VELOCITY MAPS *Youngung Lee, Antony A. Stark, Hyun-Goo Kim, & Dae-Sik Moon*	137
THE TOKYO-ONSALA-ESO-CALÁN GALACTIC CO $J = 2$–1 SURVEY. I. THE GALACTIC CENTER REGION *Tsuyoshi Sawada, Tetsuo Hasegawa, Toshihiro Handa, Jun-Ichi Morino, Tomoharu Oka, Roy Booth, Leonardo Bronfman, Masahiko Hayashi, Abraham Luna Castellanos, Lars-Åke Nyman, Seiichi Sakamoto, Masumichi Seta, Peter Shaver, Kazuo Sorai, & Kumiko Sato Usuda*	189
NEW REST WAVELENGTH DETERMINATIONS FOR SEVEN MID-INFRARED FINE-STRUCTURE LINES BY *ISO*-SWS *H. Feuchtgruber, D. Lutz, & D. A. Beintema*	221
INSTRUCTIONS TO AUTHORS	i

2001 OCTOBER, NUMBER 2

A SEARCH FOR SIGNATURES OF QUASAR EVOLUTION: COMPARISON OF THE SHAPES OF THE REST-FRAME OPTICAL/ULTRAVIOLET CONTINUA OF QUASARS AT $z > 3$ AND $z \sim 0.1$ Ⓔ *Olga Kuhn, Martin Elvis, Jill Bechtold, & Richard Elston*	225
A DUAL-FREQUENCY, MULTIYEAR MONITORING PROGRAM OF COMPACT RADIO SOURCES Ⓔ *T. Joseph W. Lazio, E. B. Waltman, F. D. Ghigo, R. L. Fiedler, R. S. Foster, & K. J. Johnston*	265
MULTIBAND ANALYSIS OF A SAMPLE OF BLUE COMPACT DWARF GALAXIES. II. SPATIALLY RESOLVED AND INTEGRATED PHOTOMETRY *Luz M. Cairós, Nicola Caon, José M. Vílchez, José N. González-Pérez, & Casiana Muñoz-Tuñón*	393
TOWARD BETTER AGE ESTIMATES FOR STELLAR POPULATIONS: THE Y^2 ISOCHRONES FOR SOLAR MIXTURE Ⓔ *Sukyoung Yi, Pierre Demarque, Yong-Cheol Kim, Young-Wook Lee, Chang H. Ree, Thibault Lejeune, & Sydney Barnes*	417
THE MACHO PROJECT: MICROLENSING DETECTION EFFICIENCY Ⓔ *C. Alcock, R. A. Allsman, D. R. Alves, T. S. Axelrod, A. C. Becker, D. P. Bennett, K. H. Cook, A. J. Drake, K. C. Freeman, M. Geha, K. Griest, M. J. Lehner, S. L. Marshall, D. Minniti, C. A. Nelson, B. A. Peterson, P. Popowski, M. R. Pratt, P. J. Quinn, C. W. Stubbs, W. Sutherland, A. B. Tomaney, T. Vandehei, & D. Welch (The MACHO Collaboration)*	439
DISTANCES AND METALLICITIES OF HIGH- AND INTERMEDIATE-VELOCITY CLOUDS Ⓔ *B. P. Wakker*	463

	Page
H I SPECTRA AND COLUMN DENSITIES TOWARD HVC AND IVC PROBES *B. P. Wakker, P. M. W. Kalberla, H. van Woerden, K. S. de Boer, & M. E. Putman*	537
DEUTERATED MOLECULES IN TRANSLUCENT AND DARK CLOUDS *B. E. Turner*	579
IUE ABSORPTION-LINE OBSERVATIONS OF THE MODERATELY AND HIGHLY IONIZED INTERSTELLAR MEDIUM TOWARD 164 EARLY-TYPE STARS Ⓔ *Blair D. Savage, Marilyn R. Meade, & Kenneth R. Sembach*	631
A SURVEY FOR INFALL MOTIONS TOWARD STARLESS CORES. II. CS (2–1) AND N_2H^+ (1–0) MAPPING OBSERVATIONS *Chang Won Lee, Philip C. Myers, & Mario Tafalla*	703
PLANETARY NEBULA He 2-36: STILL ENIGMATIC, BUT GETTING LESS SO *Walter A. Feibelman & Yoji Kondo*	735
A SPECTRAL ATLAS OF THE PRE-WN CANDIDATE HD 326823 Ⓔ *Marcelo Borges Fernandes, Francisco Xavier de Araújo, Claudio Bastos Pereira, & Sayd J. Codina Landaberry*	747
OSCILLATOR STRENGTHS FOR TRANSITIONS IN C-LIKE IONS BETWEEN F IV AND Ar XIII Ⓔ *K. M. Aggarwal, F. P. Keenan, & A. Z. Msezane*	763
INDEX	i